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PATENT  
Attorney Docket Number - 1060A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TC 1700

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(HE)

In re Application of: Terrell Neils Andersen et al.

Application No.: 09/610,821

Filing Date: July 6, 2000

Priority Date: December 21, 1998

For: HIGH DISCHARGE CAPACITY  
ELECTROLYTIC MANGANESE  
DIOXIDE AND METHODS OF  
PRODUCING THE SAME

) Art Unit: 1741

) Examiner: Arun S. Phasge

) Confirmation No. 5412

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Match and Return**

**SECOND PRELIMINARY AMENDMENT**

Sir:

Please amend the pending application as follows:

**In the claims:**

Please amend claim 18 to read as follows and add the following new claims 26-28:

Claim 17 (previously amended) An improved cathode material comprising EMD, said EMD having an AA-cell discharge capacity at a 1 watt discharge rate of about 68.2 milliamperere hours per gram or higher and an AA-cell discharge energy at a 1 watt discharge rate of about 755 milliwatt hours or higher.

Claim 18 (currently amended) An improved cathode material comprising EMD, said EMD having an intrinsic discharge capacity of about 254.6 256.1 milliamperere hours per gram or higher and an initial open circuit voltage of about 1.639 volts or higher.

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